

# SHARING OF FUNCTIONS BETWEEN AN EMBEDDED CONTROLLER AND A HOST PROCESSOR

## ABSTRACT OF THE DISCLOSURE

5       An improved system is described for allowing an embedded  
controller and a host processor to share access to modules in a  
computer system. The shared access system of the present  
invention enables exclusive, one-at-a-time access by a processor  
to a module and concurrent access by more than one processor to  
10 a module. An internal bus with two power sources is used to  
allow continued access by one of the processors when one of the  
two power sources is not providing power. Asynchronous clocking  
is provided to allow increased throughput to modules. An example  
of a protocol that allows an embedded controller to access more  
15 than one module is also described.